



STIC Search Report

EIC 3600

STIC Database Tracking Number: 106951

TO: Naoko Slack
Location: Pk. 5, 6B19
Art Unit: 3635
Wednesday, October 29, 2003

Case Serial Number: 10/009714

From: Caryn Wesner-Early
Location: EIC 3600
PK5-Suite 804
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Search Notes

I got your message about the dates, and used the oldest. I usually check PALM before doing a search, and if there's an older date in a parent case or foreign filing, I use that.

If a modification or re-focus of this search is needed, please let me know.

A handwritten signature in black ink, appearing to read 'Caryn'.

Caryn S. Wesner-Early, MSLS
Technical Information Specialist
EIC 3600, US Patent & Trademark Office
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Fax: (703) 306-5758
caryn.wesner@uspto.gov



```
?show files;ds
File 347:JAPIO Oct 1976-2003/Jun(Updated 031006)
(c) 2003 JPO & JAPIO
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200369
(c) 2003 Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
(c) 2002 INPI. All rts. reserv.
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| Set | Items | Description |
|-----|---------|---|
| S1 | 1591064 | STRUCTURAL() (MEMBER? ? OR COMPONENT? ?) OR COLUMN? ? OR BEAM? ? OR POST? ? OR PILLAR? ? OR PIER? ? OR STRUT OR STRUTS OR SUPPORT() STRUCTURE? ? OR FOOTING OR PROP? ? OR BUTTRESS?? OR TRUSS?? OR ROD OR RODS OR STANCHION? ? OR GIRDER? ? |
| S2 | 157924 | ANGLE() (IRON OR BAR OR BEAM? ? OR SECTION? ? OR MEMBER? ?) OR SPACER? ? OR CROSSPIECE? ? OR CROSS()PIECE? ? OR ENDCAP? ? OR ENDPiece? ? OR END() (CAP OR CAPS OR PIECE? ?) |
| S3 | 59690 | MULTIPURPOSE OR MULTIUSE? OR MULTIFUNCTION?? OR (MULTI OR - MULTIPLE OR MANY OR ASSORTED OR SEVERAL) (3W) (USE OR USE? ? OR PURPOSE? ? OR UTILI?ATION OR UTILI?E? ? OR FUNCTION? ? OR JOB OR JOBS OR USAGE) |
| S4 | 392074 | DEMOUNTABLE OR REUSABLE OR RE()USABLE OR REMOVABLE OR DETACHABLE OR MODULAR OR PORTABLE? ? OR TAKE? ?()DOWN OR (PUT OR - PUTS OR PUTTING) ()UP OR REMOVEABLE |
| S5 | 222347 | TEMPORARY OR NONPERMANEN?? OR IMPERMANEN?? OR (NON OR "NOT-") ()PERMANEN?? OR (LIMITED OR SHORT) ()(TIME OR TERM) OR INTERIM OR TRANSIENT |
| S6 | 2292927 | BUILDING? ? OR STRUCTURE? ? OR EDIFICE? ? OR GARAGE OR SHED? ? OR SHELTER? ? OR HUT OR HUTS OR SHACK? ? OR TOOLSHED OR - OUTHOUSE OR OUTBUILDING OR OUT()HOUSE OR BARRACKS OR PEDESTRIAN()WALKWAY OR CONSTRUCTION OR FACILITY OR FACILITIES |
| S7 | 8475 | S1(5N)S2 |
| S8 | 4611 | S5(3N)S6 |
| S9 | 1 | S7(S)S8(S) (S3 OR S4) |
| S10 | 11842 | S1(10N)S2 |
| S11 | 6142 | S5(5N)S6 |
| S12 | 1 | S10(S)S11(S) (S3 OR S4) |
| S13 | 163 | S1 AND S2 AND S5 AND S6 |
| S14 | 14 | <u>S13 AND (S3 OR S4)</u> |
| S15 | 14 | IDPAT (sorted in duplicate/non-duplicate order) |
| S16 | 14 | IDPAT (primary/non-duplicate records only) |

16/3,K/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

014167633 **Image available**

WPI Acc No: 2001-651861/200175

XRPX Acc No: N01-487304

Application method for *removable* *temporary* support used in bridge *construction*, by making *removable* *temporary* support from bottom, side, and lid boards, and filling sand to space enclosed by boards

Patent Assignee: TAISEI CONSTR CO LTD (TAKJ)

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|---------------|------|----------|--------------|------|----------|----------|
| JP 2001262515 | A | 20010926 | JP 200081314 | A | 20000323 | 200175 B |

Priority Applications (No Type Date): JP 200081314 A 20000323

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---------------|------|-----|----|-------------|--------------|
| JP 2001262515 | A | 7 | | E01D-019/04 | |

Application method for *removable* *temporary* support used in bridge *construction*, by making *removable* *temporary* support from bottom, side, and lid boards, and filling sand to space enclosed by boards

Abstract (Basic):

... A *removable* *temporary* support (10) on a bridge *pier* (2) surface is constructed from a bottom board (11), side boards (12), a lid board...

... The PC steel material (5) fixes a main spar (1) into and above the bridge *pier*. A *spacer* (4) is inset into between the lid board and the main spar undersurface.

... of the PC steel material is released, and the main spar is lowered into the *spacer* and the *temporary* support. A water jet (6) is introduced into the sand through the holes (12a) on the side boards. The side boards are then removed from rest of the *temporary* support. Water is jetted again into the sand, to remove the sand from between bottom and lid boards. The *spacer*, the bottom board, and the lid board are pulled out of the space between the spar and the bridge *pier*.

...

... For *removable* *temporary* support, which retains main spar on bridge *pier*, used in bridge *construction*.

...

... Eases removal of *temporary* support from between bridge *pier* and main spar. Reduces cost for *temporary* support *construction*.

...

... The figure shows a series of front sectional views which illustrate a *removable* *temporary* support *construction* method. (Drawing includes non-English language text...)

... Bridge *pier* (2...

... *Spacer* (4...

... *Removable* *temporary* support (10

... Title Terms: *TEMPORARY*;

16/3,K/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

013769106 **Image available**

WPI Acc No: 2001-253317/200126

XRPX Acc No: N01-181434

Temporary enclosing apparatus has sheet clamp provided in *crosspiece* and used in clamping upper edge of sheet to *detachable* *crosspiece* provided between tips of expandable *props*

Patent Assignee: MORINO K (MORI-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|---------------|------|----------|-------------|------|----------|----------|
| JP 2001049870 | A | 20010220 | JP 99225175 | A | 19990809 | 200126 B |

Priority Applications (No Type Date): JP 99225175 A 19990809

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---------------|------|-----|----|-------------|--------------|
| JP 2001049870 | A | 7 | | E04G-021/32 | |

Temporary enclosing apparatus has sheet clamp provided in *crosspiece* and used in clamping upper edge of sheet to *detachable* *crosspiece* provided between tips of expandable *props*

Abstract (Basic):

... A sheet clamp provided in a *crosspiece* (18) is used in clamping the upper edge of a sheet (34) to the *detachable* *crosspiece* provided between tips of the expandable *props* (2).
... For enclosing surroundings of shop forming part of *building* when redecorating the shop...

...*Reusable*. Easy to use by any person...

...The figure shows a plan view of the *temporary* enclosing apparatus at an enclosing state...

...*Props* (2...

...*Crosspiece* (18

Title Terms: *TEMPORARY*;

16/3,K/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

013587098 **Image available**

WPI Acc No: 2001-071305/200108

XRPX Acc No: N01-053948

Multi-*purpose* *demountable* and *re*-*usable* *structural* *component*, e.g. for *construction* of *temporary* *buildings*, comprise elongated angle sectioned elements held rigidly together by *spacer* plates welded to co-planar flanges

Patent Assignee: PRESTON J C (PRES-I)

Inventor: PRESTON J C

Number of Countries: 092 Number of Patents: 008

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|---------------|------|----------|---------------|------|----------|----------|
| WO 200077325 | A1 | 20001221 | WO 2000AU36 | A | 20000124 | 200108 B |
| AU 200026463 | A | 20010102 | AU 200026463 | A | 20000124 | 200121 |
| EP 1200694 | A1 | 20020502 | EP 2000904679 | A | 20000124 | 200236 |
| | | | WO 2000AU36 | A | 20000124 | |
| KR 2002025073 | A | 20020403 | KR 2001715909 | A | 20011210 | 200271 |
| CN 1361845 | A | 20020731 | CN 2000810547 | A | 20000124 | 200279 |
| JP 2003502534 | W | 20030121 | WO 2000AU36 | A | 20000124 | 200308 |
| | | | JP 2001503758 | A | 20000124 | |
| TW 489159 | A | 20020601 | TW 2000109861 | A | 20000522 | 200319 |
| NZ 516047 | A | 20030829 | NZ 516047 | A | 20000124 | 200365 |
| | | | WO 2000AU36 | A | 20000124 | |

Priority Applications (No Type Date): AU 993690 A 19991027; AU 99881 A 19990609

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200077325 A1 E 20 E04H-012/10

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200026463 A Based on patent WO 200077325

EP 1200694 A1 E E04H-012/10 Based on patent WO 200077325

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

KR 2002025073 A E04G-001/12

CN 1361845 A E04H-012/10

JP 2003502534 W 19 E04C-003/08 Based on patent WO 200077325

TW 489159 A E04G-011/00

NZ 516047 A E04H-012/10 Based on patent WO 200077325

Multi-*purpose* *demountable* and *re*-*usable* *structural* *component*, e.g. for *construction* of *temporary* *buildings*, comprise elongated angle sectioned elements held rigidly together by *spacer* plates welded to co-planar flanges

Abstract (Basic):

... flanges pierced by rows of fastener clearance holes (15) and are held rigidly together by *spacer* plates (13,14,16) welded to the flanges. The *structural* *components* have two configurations, i.e. five or six planar faces corresponding to the faces of...

...can be considered a dual component of the five-face configuration held together by additional *spacer* plates.

... *Structural* *components* for *temporary* *buildings* and *demountable* *structures* at civil engineering *construction* sites, e.g. as *columns* or *beams* in protective pedestrian walkways, site offices, multi-storey towers, garages, storage *sheds* and *barracks*.

...

...components assembled together to give full scale, load bearing skeletal frameworks. The spaced-apart angle *construction* provides hand access to component interiors when assembling the components into *structures* using *removable* fasteners, i.e. bolts and nuts...

...The drawing shows a perspective view of an end portion of a five-face *structural* *component*.

...

...*Spacer* plates (13,14,16)

...Title Terms: *STRUCTURE*;

16/3,K/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

012745875 **Image available**

WPI Acc No: 1999-551992/199947

XRPX Acc No: N99-408494

Lightweight framework *girder* with *modular* design

Patent Assignee: BUERO HELLER TRAGWERKSPLANUNG (HELL-N)

Inventor: HELLER H

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-------------|------|----------|-------------|------|----------|----------|
| DE 19808579 | A1 | 19990916 | DE 1008579 | A | 19980228 | 199947 B |

Priority Applications (No Type Date): DE 1008579 A 19980228

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|-------------|------|--------|-------------|--------------|
| DE 19808579 | A1 | 8 | E04C-003/02 | |

Lightweight framework *girder* with *modular* design

Abstract (Basic):

... A lightweight *girder* is made from upper and lower *beams* (2,3) bowed into convex profiles and separated by *spacers* (4) of varying lengths. The ends of the *girder* are brought together each side of a flat *spacer* insert (9) which fixes the *beams* longitudinally, and forms a support point each end of the *girder*. Similar *girders* can be assembled into a larger span in a *modular* fashion.

... Permanent or *temporary* spans...

...A lightweight *construction* for rapid bridging of gaps...

...Title Terms: *GIRDER*;

16/3,K/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

011198684 **Image available**

WPI Acc No: 1997-176609/199716

XRPX Acc No: N97-145742

Assembly roof board for *temporary* *building* - uses *detachable* wire to couple lower parts of joint and central support

Patent Assignee: NIMURA Y (NIMU-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| JP 9041674 | A | 19970210 | JP 95212670 | A | 19950728 | 199716 B |

Priority Applications (No Type Date): JP 95212670 A 19950728

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|------------|------|--------|-------------|--------------|
| JP 9041674 | A | 8 | E04G-021/28 | |

Assembly roof board for *temporary* *building* - ...

...uses *detachable* wire to couple lower parts of joint and central support

...Abstract (Basic): has an end plate provided at the base of each of a pair of main *rods* (2). A *cross* *piece* is bridged between the main *rods*. A joint (5) is provided on the lower side of two main *rods* to form a pair of roof pieces (a). The main *rods* and the end plates are joined individually using a belt (6). A horizontal piece (8...

...type central support (7) is set up on the junction part of the two main *rods*.

...

...ADVANTAGE - Improves work efficiency. Provides safety and satisfactory quality of constructed *structures*. Facilitates assembly of roof board. Obtains profit in material transport

...Title Terms: *TEMPORARY*;

16/3,K/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

011187439 **Image available**

WPI Acc No: 1997-165364/199715

XRPX Acc No: N97-136114

Spacer node component for assembling *demountable* space frame system, especially for roof *trusses* of *temporary* *buildings* - has steel *spacer* tube with node plates having brace connection eyes held at each end with butterfly nuts and through bolt

Patent Assignee: ZOHAR H (ZOHA-I)

Inventor: ZOHAR H

Number of Countries: 071 Number of Patents: 004

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| WO 9707299 | A1 | 19970227 | WO 96SI20 | A | 19960813 | 199715 B |
| AU 9666347 | A | 19970312 | AU 9666347 | A | 19960813 | 199727 |
| EP 845066 | A1 | 19980603 | EP 96926044 | A | 19960813 | 199826 |
| | | | WO 96SI20 | A | 19960813 | |
| US 6223482 | B1 | 20010501 | WO 96SI20 | A | 19960813 | 200126 |
| | | | US 9843309 | A | 19980219 | |

Priority Applications (No Type Date): SI 96226 A 19960717; SI 95261 A 19950817

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9707299 A1 E 16 E04B-001/344

Designated States (National): AL AM AT AU AZ BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SK TJ TM TR TT UA UG US UZ VN

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG

AU 9666347 A E04B-001/344 Based on patent WO 9707299

EP 845066 A1 E E04B-001/344 Based on patent WO 9707299

Designated States (Regional): AT BE CH DE ES FR GB IT LI SE

US 6223482 B1 E04H-012/18 Based on patent WO 9707299

Spacer node component for assembling *demountable* space frame system, especially for roof *trusses* of *temporary* *buildings* - ...

...has steel *spacer* tube with node plates having brace connection eyes held at each end with butterfly nuts

...Abstract (Basic): The space frame assembly system is based on a nodal *spacer* component to which the various frame braces and ties (3,32) are connected. The *spacer* component comprises a length of steel tube (2) containing an axial bolt (4), threaded on...

...USE/ADVANTAGE - For sports *facilities*, exhibition grounds, tents, e.t.c. Low cost lightweight system that is simple and economical...

...Title Terms: *TRUSS*;

16/3,K/12 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

008275005 **Image available**

WPI Acc No: 1990-162006/199021

XRPX Acc No: N90-125658

Temporary *reusable* wharf - at side of buffer device *spacer* *girder* has vertical cavities for guide *struts* of top of deep water part

Patent Assignee: SPETSTYAZHAVTOTRANS (SPET-R)

Inventor: BEBYAKOVA L Y A; BUFF M Z; GUSEV E A

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No. | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| SU 1497336 | A | 19890730 | SU 4303034 | A | 19870904 | 199021 B |

Priority Applications (No Type Date): SU 4303034 A 19870904

Temporary *reusable* wharf...

...at side of buffer device *spacer* *girder* has vertical cavities for guide *struts* of top of deep water part

...Abstract (Basic): In the *temporary* *reusable* wharf, at the side of the buffer device the *spacer* *girder* (2) is made with vertical cavities (16), and the top of the deep water part is equipped with guide *struts* (14) which are positioned in the vertical cavities (16) of the *spacer* *girder* (2) and are joined to it by a suspension (13). The sections of the *spacer* *girder* are linked to each other by means of a drum and guide and stop bushes...

...ADVANTAGE - This *construction* of the *temporary* *reusable* wharf reduces its running costs and improves its qualities in use by assuring the constantly horizontal position of the *spacer* *girder* (2) at different slants of the bank slope and water levels. Bul. 28/30.7...

Title Terms: *TEMPORARY*;

16/3,K/14 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

003823329

WPI Acc No: 1983-819577/198346

XRPX Acc No: N83-206267

Frame and support brace bridge - has *crosspiece* walls formed by *girders* with plate *girders* secured to their strips

Patent Assignee: LARGE NON STAND BRI (LARG-R)

Inventor: EPSHTEIN V M; KLUSOV L P; MITROFANOV Y U M

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-----------|------|----------|-------------|------|--------|------|
| SU 990934 | A | 19830123 | | | 198346 | B |

Priority Applications (No Type Date): SU 3289729 A 19810326

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|----|----------|--------------|
| SU 990934 | A | | 6 | | |

... has *crosspiece* walls formed by *girders* with plate *girders* secured to their strips

...Abstract (Basic): *Cross*-*piece* (2) is secured to support angle braces (1) and rests on supports (3) located on abutments (4). Braces (1) are installed on fixed supports (5) secured to foundations (6). *Cross-*piece* (2) has a plate with overhangs, and a *girder* cage with lengthwise and transverse *girders*. Motor passage (14) is located level with the plate, and railway passage (15) is located inside *cross*-*piece* (2...).

...The walls of *cross*-*piece* (2) are *girders* (16), and the transverse *girders* and cage are secured to strips of *girders* (16) between joints (20) for securing *girder* lattice (21). Each brace (1) is a three-dimensional lattice *construction* and has sloping *strut* (22) secured near joint (20) and joint (23) of brace (1). Symmetry is achieved by including counterbalanced spans and additional *temporary*

... supports...

...A concrete solution is laid between supports (5) and foundations (6), and *detachable* *rods* are used during assembly so that thrust forces are controlled using jacks between these *rods* and abutments (4). The frame bridge uses less material and requires a reduced labour

...Title Terms: *CROSSPIECE*;

16/AZ, TI/1 (Item 1 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

014167633
Application method for *removable* *temporary* support used in bridge *construction*, by making *removable* *temporary* support from bottom, side, and lid boards, and filling sand to space enclosed by boards

16/AZ, TI/2 (Item 2 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

013769106
Temporary enclosing apparatus has sheet clamp provided in *crosspiece* and used in clamping upper edge of sheet to *detachable* *crosspiece* provided between tips of expandable *props*

16/AZ, TI/3 (Item 3 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

013587098
Multi-*purpose* *demountable* and *re*-*usable* *structural* *component*, e.g. for *construction* of *temporary* *buildings*, comprise elongated angle sectioned elements held rigidly together by *spacer* plates welded to co-planar flanges

16/AZ, TI/4 (Item 4 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

012974332
Floor double slab, reinforcing cage of floor double slab, method of manufacturing floor double slab, bed for manufacturing reinforced cage and method of assembly of reinforcing cage

16/AZ, TI/5 (Item 5 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

012745875
Lightweight framework *girder* with *modular* design

16/AZ, TI/6 (Item 6 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

011714314
Brick lintel with reinforcing *rod* - has *rod*, tightened by nuts, passing though bores near bottom edges of bricks and bricks are spaced by flat *spacers* or wedges

16/AZ, TI/7 (Item 7 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

011198684
Assembly roof board for *temporary* *building* - uses *detachable* wire to couple lower parts of joint and central support

16/AZ, TI/8 (Item 8 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

011187439

Spacer node component for assembling *demountable* space frame system, especially for roof *trusses* of *temporary* *buildings* - has steel *spacer* tube with node plates having brace connection eyes held at each end with butterfly nuts and through bolt

16/AZ, TI/9 (Item 9 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

010876379

Removable sealed panels for protection of *building* openings during flooding - are made from galvanised sheet metal with top and bottom U folds providing rigidity and housings for sealing joints, panel lengths reinforced by *angle* *iron* and lateral fixings made rigid by reinforcing plate

16/AZ, TI/10 (Item 10 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

009039844

Folding *portable* stand for *temporary* road traffic warning sign - comprises pair of hinged cross between which sign is gripped and having folding support legs pivoted at either end of cross bars

16/AZ, TI/11 (Item 11 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

009031951

Method of moulding a traffic barrier - comprises placing a cage in a mould and filling it with scrap tyre pieces and an adhesive

16/AZ, TI/12 (Item 12 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

008275005

Temporary *reusable* wharf - at side of buffer device *spacer* *girder* has vertical cavities for guide *struts* of top of deep water part

16/AZ, TI/13 (Item 13 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

004197344

Multistorey *building* erection jig and manipulator - has adjustable length *removable* ties hinged to *column* shelves each with clamp on end

16/AZ, TI/14 (Item 14 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

003823329

Frame and support brace bridge - has *crosspiece* walls formed by *girders* with plate *girders* secured to their strips

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?show files;ds
File 179:Architecture DB 1987-2003/Aug
    (c) 2003 Royal Inst. of Brit. Architects
File 35:Dissertation Abs Online 1861-2003/Sep
    (c) 2003 ProQuest Info&Learning
File 65:Inside Conferences 1993-2003/Oct W4
    (c) 2003 BLDSC all rts. reserv.
File 8:Ei Compendex(R) 1970-2003/Oct W3
    (c) 2003 Elsevier Eng. Info. Inc.
File 118:ICONDA-Intl Construction 1976-2003/Sep
    (c) 2003 Fraunhofer-IRB
File 94:JICST-EPlus 1985-2003/Oct W4
    (c) 2003 Japan Science and Tech Corp (JST)
File 6:NTIS 1964-2003/Oct W4
    (c) 2003 NTIS, Intl Cpyrht All Rights Res
File 144:Pascal 1973-2003/Oct W3
    (c) 2003 INIST/CNRS
File 34:SciSearch(R) Cited Ref Sci 1990-2003/Oct W3
    (c) 2003 Inst for Sci Info
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
    (c) 1998 Inst for Sci Info
File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Sep
    (c) 2003 The HW Wilson Co.
File 111:TGG Natl. Newspaper Index(SM) 1979-2003/Oct 24
    (c) 2003 The Gale Group
File 2:INSPEC 1969-2003/Oct W3
    (c) 2003 Institution of Electrical Engineers
File 25:Weldasearch 1966-2002/Apr
    (c) 2003 TWI Ltd
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| Set | Items | Description |
|-----|---------|---|
| S1 | 3126106 | STRUCTURAL() (MEMBER? ? OR COMPONENT? ?) OR COLUMN? ? OR BEAM? ? OR POST? ? OR PILLAR? ? OR PIER? ? OR STRUT OR STRUTS OR SUPPORT() STRUCTURE? ? OR FOOTING OR PROP? ? OR BUTTRESS?? OR TRUSS?? OR ROD OR RODS OR STANCHION? ? OR GIRDER? ? |
| S2 | 56137 | ANGLE() (IRON OR BAR OR BEAM? ? OR SECTION? ? OR MEMBER? ?) OR SPACER? ? OR CROSSPIECE? ? OR CROSS()PIECE? ? OR ENDCAP? ? OR ENDPiece? ? OR END() (CAP OR CAPS OR PIECE? ?) |
| S3 | 207356 | MULTIPURPOSE OR MULTIUSE? OR MULTIFUNCTION?? OR (MULTI OR - MULTIPLE OR MANY OR ASSORTED OR SEVERAL) (3W) (USE OR USE? ? OR PURPOSE? ? OR UTILI?ATION OR UTILI?E? ? OR FUNCTION? ? OR JOB OR JOBS OR USAGE) |
| S4 | 252149 | DEMOUNTABLE OR REUSABLE OR RE()USABLE OR REMOVABLE OR DETACHABLE OR MODULAR OR PORTABLE? ? OR TAKE? ?()DOWN OR (PUT OR - PUTS OR PUTTING) ()UP OR REMOVEABLE |
| S5 | 931967 | TEMPORARY OR NONPERMANEN?? OR IMPERMANEN?? OR (NON OR "NOT-") ()PERMANEN?? OR (LIMITED OR SHORT) () (TIME OR TERM) OR INTERIM OR TRANSIENT |
| S6 | 8756706 | BUILDING? ? OR STRUCTURE? ? OR EDIFICE? ? OR GARAGE OR SHED? ? OR SHELTER? ? OR HUT OR HUTS OR SHACK? ? OR TOOLSHED OR - OUTHOUSE OR OUTBUILDING OR OUT()HOUSE OR BARRACKS OR PEDESTRIAN()WALKWAY OR CONSTRUCTION OR FACILITY OR FACILITIES |
| S7 | 2480 | S1(5N)S2 |
| S8 | 14792 | S5(3N)S6 |
| S9 | 0 | S7(S)S8(S)(S3 OR S4) |
| S10 | 54 | S1 AND S2 AND S5 AND S6 |
| S11 | 1 | S10 AND (S3 OR S4) |
| S12 | 192 | (S1 OR S2) AND (S3 OR S4) AND S5 AND S6 |
| S13 | 186 | S1 AND S5 AND S6 AND (S3 OR S4) |
| S14 | 7 | S2 AND S5 AND S6 AND (S3 OR S4) |
| S15 | 17 | S1(S)S8(S)(S3 OR S4) |
| S16 | 10 | S15 NOT PY>1999 |
| S17 | 10 | S16 NOT PD=19990610:20031130 |
| S18 | 8 | RD (unique items) |

18/3,K/1 (Item 1 from file: 8)

DIALOG(R)File 8:EI Compendex(R)

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04363965 E.I. No: EIP96033110080

Title: High clearance scaffold systems during construction - I. Structural modelling and modes of failure

Author: Peng, J.L.; Pan, A.D.; Rosowsky, D.V.; Chen, W.F.; Yen, T.; Chan, S.L.

Corporate Source: Purdue Univ, West Lafayette, IN, USA

Source: Engineering Structures v 18 n 3 Mar 1996. p 247-257

Publication Year: 1996

CODEN: ENSTDF

Language: English

...Abstract: structure is completed and is in service. A scaffold support system, often a combination of *modular* steel scaffolds and wooden shores, is typically used for *temporary* support during the *construction* of high-clearance concrete *buildings* in Asia. Such *temporary* support systems are often used because they are convenient, versatile and relatively inexpensive. No guidelines exist, however, for the design and use of these *temporary* *structures* during *construction*. This paper focuses on the development of a computer model based on actual construction practices...

...support system collapse during construction. An examination of the effect of combining wooden shores with *modular* steel scaffolds on the performance of *temporary* *support* *structures* then follows. (Author abstract) 26 Refs.

18/3,K/3 (Item 3 from file: 8)

DIALOG(R)File 8:EI Compendex(R)

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00061618 E.I. Monthly No: EI70X003139

Title: Hospital starts as components in box.

Author: ANON

Source: Eng News-Rec v 183 n 7 Aug 14 1969 p 30-1

Publication Year: 1969

Language: ENGLISH

...Abstract: sitework and which arrives at site packed in box was devised by Viennese architect; basic *modular* unit is 18- ft- diam circular section, 6 ft 6 in. long; modules can be...

...tube- like structures of any required length that can be arranged in variety of configurations; *structures* can be *temporary* or permanent, and can be used in all climates; completed project described features three- tube...

...bed hospital for Biafran children; hospital consists of bearing pods, ring segments, main and secondary *girders*, upright brace and floor supporting angle brace.

18/AA,AN, TI/1 (Item 1 from file: 8)
DIALOG(R)File 8:(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

04363965
E.I. No: EIP96033110080
Title: High clearance scaffold systems during construction - I.
Structural modelling and modes of failure

18/AA,AN, TI/2 (Item 2 from file: 8)
DIALOG(R)File 8:(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

02282455
E.I. Monthly No: EIM8710-071868
Title: DESIGNING SMALL AND MEDIUM SIZE PERMANENT, PNEUMATIC MEMBRANE
STRUCTURES.

18/AA,AN, TI/3 (Item 3 from file: 8)
DIALOG(R)File 8:(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

00061618
E.I. Monthly No: EI70X003139
Title: Hospital starts as components in box.

18/AA,AN, TI/4 (Item 1 from file: 118)
DIALOG(R)File 118:(c) 2003 Fraunhofer-IRB. All rts. reserv.

0083916 ICONDA Accession Number: 1986(08):1029422 ICONDA
Glashaus. Clifton nurseries, Verkaufspavillon fuer Blumen und Pflanzen,
Covent Garden, London
Clifton nurseries, London

18/AA,AN, TI/5 (Item 1 from file: 6)
DIALOG(R)File 6:(c) 2003 NTIS, Intl Cpyrgh All Rights Res. All rts.
reserv.

NTIS Accession Number: PB80-213721/XAB
Crash Tests of Construction Zone Traffic Barriers
(Research rept)

18/AA,AN, TI/6 (Item 2 from file: 6)
DIALOG(R)File 6:(c) 2003 NTIS, Intl Cpyrgh All Rights Res. All rts.
reserv.

NTIS Accession Number: PB-297 885/6/XAB
Roadside Safety Appurtenances

18/AA,AN, TI/7 (Item 3 from file: 6)
DIALOG(R)File 6:(c) 2003 NTIS, Intl Cpyrgh All Rights Res. All rts.
reserv.

NTIS Accession Number: AD-A044 991/8/XAB
Prefabricated Expandable Foam/Wood Structures for Theater of Operations
(Interim rept)

18/AA,AN, TI/8 (Item 4 from file: 6)
DIALOG(R)File 6:(c) 2003 NTIS, Intl Cpyrgh All Rights Res. All rts.
reserv.

NTIS Accession Number: AD-A004 954/4/XAB
Fiberglass-Reinforced-Polyester Laminate for Use in Protective Structures
(Technical note)

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?show files;ds
File 9:Business & Industry(R) Jul/1994-2003/Oct 28
  (c) 2003 Resp. DB Svcs.
File 990:NewsRoom Current 2003/Oct 28
  (c) 2003 The Dialog Corp.
File 47:Gale Group Magazine DB(TM) 1959-2003/Oct 28
  (c) 2003 The Gale group
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  (c) 2003 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2003/Oct 28
  (c) 2003 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2003/Oct 28
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  (c) 2003 McGraw-Hill Co. Inc
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  (c) 2003 Reed Business Information Ltd.
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  (c) 2003 ProQuest Info&Learning
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  (c) 2003 ProQuest
File 141:Readers Guide 1983-2003/Sep
  (c) 2003 The HW Wilson Co
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  (c) 1999 AAAS
File 95:TEME-Technology & Management 1989-2003/Oct W2
  (c) 2003 FIZ TECHNIK
File 15:ABI/Inform(R) 1971-2003/Oct 28
  (c) 2003 ProQuest Info&Learning
File 16:Gale Group PROMT(R) 1990-2003/Oct 28
  (c) 2003 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
  (c) 1999 The Gale Group
File 553:Wilson Bus. Abs. FullText 1982-2003/Sep
  (c) 2003 The HW Wilson Co
File 635:Business Dateline(R) 1985-2003/Oct 28
  (c) 2003 ProQuest Info&Learning
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| Set | Items | Description |
|-----|----------|---|
| S1 | 4218895 | STRUCTURAL() (MEMBER? ? OR COMPONENT? ?) OR COLUMN? ? OR BEAM? ? OR POST? ? OR PILLAR? ? OR PIER? ? OR STRUT OR STRUTS OR SUPPORT() STRUCTURE? ? OR FOOTING OR PROP? ? OR BUTTRESS?? OR TRUSS?? OR ROD OR RODS OR STANCHION? ? OR GIRDER? ? |
| S2 | 33793 | ANGLE()(IRON OR BAR OR BEAM? ? OR SECTION? ? OR MEMBER? ?) OR SPACER? ? OR CROSSPIECE? ? OR CROSS()PIECE? ? OR ENDCAP? ? OR ENDPiece? ? OR END()(CAP OR CAPS OR PIECE? ?) |
| S3 | 576002 | MULTIPURPOSE OR MULTIUSE? OR MULTIFUNCTION?? OR (MULTI OR - MULTIPLE OR MANY OR ASSORTED OR SEVERAL) (3W) (USE OR USE? ? OR PURPOSE? ? OR UTILI?ATION OR UTILI?E? ? OR FUNCTION? ? OR JOB OR JOBS OR USAGE) |
| S4 | 1140467 | DEMOUNTABLE OR REUSABLE OR RE()USABLE OR REMOVABLE OR DETACHABLE OR MODULAR OR PORTABLE? ? OR TAKE? ?()DOWN OR (PUT OR - PUTS OR PUTTING) ()UP OR REMOVEABLE |
| S5 | 1987299 | TEMPORARY OR NONPERMANEN?? OR IMPERMANEN?? OR (NON OR "NOT-") ()PERMANEN?? OR (LIMITED OR SHORT) ()(TIME OR TERM) OR INTERIM OR TRANSIENT |
| S6 | 11691290 | BUILDING? ? OR STRUCTURE? ? OR EDIFICE? ? OR GARAGE OR SHED? ? OR SHELTER? ? OR HUT OR HUTS OR SHACK? ? OR TOOLSHED OR - OUTHOUSE OR OUTBUILDING OR OUT()HOUSE OR BARRACKS OR PEDESTRIAN()WALKWAY OR CONSTRUCTION OR FACILITY OR FACILITIES |
| S7 | 885 | S1(5N)S2 |
| S8 | 38768 | S5(3N)S6 |
| S9 | 0 | S7(S)S8(S)(S3 OR S4) |
| S10 | 705 | S1 AND S2 AND S5 AND S6 |
| S11 | 333 | S10 AND (S3 OR S4) |

S12 5 S1(S)S2(S)S5(S)S6
S13 1 S12 AND (S3 OR S4)
S14 59 (S1 OR S2)(S)(S5(5N)S6)(S)(S3 OR S4)
S15 4 (S1 AND S2)(S)(S5(5N)S6)(S)(S3 OR S4)
S16 0 S7 AND S8 AND (S3 OR S4)
S17 12 (S1 OR S2)(10N)(S5(5N)S6)(10N)(S3 OR S4)
S18 10 S17 NOT PY>1999
S19 7 S18 NOT PD=19990610:20031130
S20 6 RD (unique items)

20/3,K/1 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2003 The Gale group. All rts. reserv.

04169764 SUPPLIER NUMBER: 16256823 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Safety equipment. (theatrical safety equipment) (Buyers Guide)
TCI, v28, n10, p98(2)
Dec, 1994
DOCUMENT TYPE: Buyers Guide ISSN: 1063-9497 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 499 LINE COUNT: 00041

... INC.*
Rail-Safe, originally developed to meet OSHA standards for stairway and elevated areas at *construction* sites, provides a *temporary* safety rail system for backstage areas. The *removable*, *reusable* system includes a vertical *post*, mounting plate and swivel brackets designed to receive common dimension (2[inches] x 4[inches]...).

20/3,K/2 (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou. (R)
(c) 2003 The Gale Group. All rts. reserv.

01245313 Supplier Number: 44441221 (USE FORMAT 7 FOR FULLTEXT)
PLASTIC POST FOR MARKING HIGHWAYS, GOLF COURSES, UTILITY LINES, FLEXES
BACK TO LPRIHT POSITION WHEN HIT OR MOWED OVER; 40% BY WEIGHT IS MADE OF
POST-CONSIIMER RECYCLED PLASTIC
News Release, pN/A
Feb 15, 1994
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1601

... construction and maintenance, warning, school and symbol of access signs. FlexStake, Inc. also markets a *portable* rubber boot for daily maintenance or *temporary* *construction* projects using the surface mounted *posts*. This boot remains stationary when impacted. FlexStake Units Outlast Other *Posts* in Impact Tests
In impact tests, the FlexStake units "outlast other highway posts on the..."

20/3,K/3 (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou. (R)
(c) 2003 The Gale Group. All rts. reserv.

01144136 Supplier Number: 41572993 (USE FORMAT 7 FOR FULLTEXT)
NEW RENT-A-GUARD REVOLUTIONIZES TEMPORARY FENCE PROTECTION MARKET
News Release, p1
Sept 28, 1990
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 622

... commercial, and transformation applications.
Rent-A-Guard is designed to replace traditional fencing for many *temporary* applications. Its *structure* consists of six foot high by 12 foot long chain link fencing panels that are secured into *portable* *post* holes which resemble concrete blocks. No drilling, digging, or surface break-ins are required during...

20/3,K/4 (Item 3 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2003 The Gale Group. All rts. reserv.

01104208 Supplier Number: 40745750 (USE FORMAT 7 FOR FULLTEXT)
NEW PORTABLE OVERHEAD FLUORESCENT LAMPS FOR RUGGED INDUSTRIAL DUTY
News Release, p1
April 5, 1989
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 378

... 39 watt ratings.
Both are available for Single Light use or with secondary cords for
Multiple Light Feed-Thru *use*.

The Series 1100 Eric-Sun-Lite Lamps produce significantly more
lumens, at less cost, than...

...general maintenance and construction, and any similar
large or confined area calling for bright, safe *portable* *temporary*
lighting. They feature vaportite *construction*, TPR rubber *end*
caps
to resist grease, oils, solvents, temperature extremes and moisture;
impact resistant tubeshields, water-tight cord...

20/3,K/5 (Item 1 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

0863026 98-23389
**Quarterhorse profits Columbus' most profitable gathering is also the
nation's 3rd largest**
Crawford, Dan
Business First-Columbus (Columbus, OH, US), V14 N8 p37
PUBL DATE: 971017
WORD COUNT: 630
DATELINE: Columbus, OH, US, North Central

TEXT:

...the Ohio Expositions Center.

"It's like having two Christmases," says Scott Hartle, president of
Rod's Western Palace, 3099 Silver Drive.

Hartle and an expanded staff of 60 spent the two weeks before the
convention started *building* a 10,000-square-foot *temporary* store inside
the Bricker *Multipurpose* *Building*, known as Congress Hall during the
show and exhibition's run.

"We plan for Congress...

20/3,K/6 (Item 2 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
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0800354 97-60341
Portables take over schoolyards
Peoples, Rick
Press Enterprise-Riverside CA (Riverside, CA, US) pB1
PUBL DATE: 970321

WORD COUNT: 1,805

DATELINE: Riverside, CA, US, Pacific

TEXT:

...have have shoved classrooms into libraries, computer labs and cafeterias in addition to using the *portables*.

Portable classrooms have been used for decades. In the *post* World War II boom years, some districts bought up surplus military *buildings* and converted them into *temporary* classrooms. But they became fixtures after Prop. 13 made it more difficult to pass local...